

AIR QUALITY REGISTRATION # 69112
PLACE ID # 156625

REGISTRANT: Transwest Minerals, LLC
FACILITY: Pioneer Group Mine
DATE ISSUED:
EXPIRY DATE:

SUMMARY

This registration is issued to Transwest Minerals, LLC, the Registrant, for the construction and operation of its open-pit mining, milling, and concentrating facility – Pioneer Group Mine, with the equipment listed in Table 2. This facility is located approximately 4 miles west of Oatman, Northwest of US Highway 83, within Mohave County in southeastern Arizona. The production schedule developed from mining sequence plans indicate a project operating life of over 7 years with peak mining rates of up to 2,000 tons per day (tpd) of total material (ore and waste).

The facility has a controlled emission above the permitting exemption threshold and below the significance level, and it is subject to NSPS 40 CFR Subpart LL. Therefore this facility requires a registration according to A.A.C. R 18-2-302.3.b.

Table 1 identifies the PTE of the facility before and after control.

Table 1: Facility PTE

Pollutant	Potential to Emit (Uncontrolled)	Potential to Emit (Controlled)
	Ton/yr	Ton/yr
PM ₁₀	44.3	8.3
PM _{2.5}	8.7	3.2
NO _x	18.1	18.1
CO	7.3	7.3
SO ₂	0	0
VOC	2.7	2.7

This registration is issued in accordance with Arizona Revised Statutes (ARS) 49-426 and A.A.C. R 18-2-302 of the Arizona Administrative Code.

I. GENERAL REQUIREMENTS

- A.** The Registrant shall file for a revised registration for changes to the facility prior to the occurrence of any of the following:
[A.A.C. R18-2-302.01.G.1]
1. A modification to the source that increases the uncontrolled potential to emit exceeding any of the following amounts:
[A.A.C. R18-2-302.01.G.1.a]
- a. 2.5 tons per year for NO_x, SO₂, PM₁₀, PM_{2.5}, VOCs, or CO.
- b. 0.3 tons per year for lead.
2. The transfer of the source to a new owner.
[A.A.C. R18-2-302.01.G.1.c]
3. The Registrant can begin actual construction and operation of the modified source upon filing the revised registration.
[A.A.C. R18-2-302.01.G.2]
- B.** This Registration shall be valid for five years from the date of issuance.
[A.A.C. R18-2-302.01.H.1]
- C.** The Registrant shall submit an application for renewal of a registration not later than six months before the expiration of the registration.
[A.A.C. R18-2-302.01.H.2]
- D.** If the Registrant submits a timely and complete application for renewal of a Registration, the Registrant's authorization to operate under its existing registration shall continue, until the Director takes a final action on the registration application.
[A.A.C. R18-2-302.01.H.3]

II. SPECIFIC REQUIREMENTS

A. This section applies to the following equipment:

Table 2. Equipment List (all equipment subject to 40 CFR NSPS Subpart LL)

Name of Equipment	Capacity	Make	Model	Control Device	Date of Manufacture
Primary Crusher	300 tph	Cedarapids	1300	*	2008
Primary Crusher Discharge Conveyor	300 tph	Cedarapids	1300	**	2008
Primary Screen	275 tph	Finlay	683	*	2008
Primary Screen Discharge Conveyor	275 tph	Finlay	683	**	2008
Secondary Screen	275 tph	TCI	DD PTSC	*	TBD
Slurry Hopper	15 tph	TBD	TBD	***	TBD
Centrifugal Concentrator	250 tph	SEPRO	TBN	***	TBD
Sand Screw	150 tph	Gator	TBD	***	TBD
Centrifugal Pump #1	100 GPM	Rain for Rent	DV100c	***	TBD
Sand Media Filter	100 GPM	Rain for Rent	48-2SSK	***	TBD
Weir Tank	100 GPM	Rain for Rent	Open Top	***	TBD
Centrifugal Pump #2	100 GPM	Rain for Rent	DV100c	***	TBD
Filtrate Receiving Tank	750 gal	TBD	TBD	***	TBD
Atomized Water Sprayer	TBD	TBD	TBD	N/A	TBD

* Atomized Water Spray

** Dust Suppression Using Atomized Water

*** Wet Process

B. Requirements for the Process Operations subject to NSPS Subpart LL

1. Applicability

The requirements of this section are applicable to the equipment identified in Table 2.

2. Notification Requirements

The Permittee shall furnish to the Director written notification as follows:

- a. A notification of the date of construction of an affected facility is commenced postmarked no later than 30 days after such date.

[40 CFR 60.7(a)(1)]

January 31, 2018

- b. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

[40 CFR 60.7(a)(3)]

- c. A notification of the anticipated date for conducting the opacity observations required by 40 CFR 60.11(e)(1). The notification shall also include, if appropriate, a request for the Director to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

[40 CFR 60.7(a)(6)]

3. Operating Requirements

At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate any affected facility in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[40 CFR 60.11(d)]

4. Particulate Matter and Opacity

- a. On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the Permittee shall not cause to be discharged into the atmosphere from an affected facility any process fugitive emissions that exhibit greater than 10 percent opacity.

[40 CFR 60.382(b) and A.A.C. R18-2-331.A.f]

[Material permit conditions are indicated by underline and italics]

- b. Water spray bars or equivalent control equipment shall be used whenever the equipment is operating, or material shall be adequately wet to minimize visible emissions to the extent practical.

[A.A.C. R18-2-331.A.3.f and -306.A.2]

- c. Monitoring, Recordkeeping, and Report Requirements

A certified EPA Reference Method 9 observer shall conduct a monthly survey of visible emissions emanating from the affected facilities when in use.

[A.A.C. R18-2-306.A.3.c, -A.4 and A.5]

- d. Testing Requirements

- (1) The Permittee shall conduct initial performance tests within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, as specified in 40 CFR 60.8(a).

[40 CFR 60.8(a) and 40 CFR 60.385(a)]

- (2) Method 9 and the procedures in 40 CFR.60.11 and -60.386(2) shall be used to determine opacity from process fugitive emissions, and compliance with the standard in Conditions III.B.1.b of this Attachment respectively for each affected facility.

[40 CFR 60.386(b)(2)]